

Living Atlas 1 Sprint - 1 Report

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Introduction

This sprint started on January 23rd and it ended on February 17th. This sprint focused on establishing contact with the client/shareholders and talking with them to begin to get an idea of what they are envisioning for this product. The end goal of this sprint was to get the foundations laid down so when we begin coding in conjunction with the other living atlas team we can do so more efficiently. This sprint included talks about the data that the website will display and determining the framework that our team will use to develop the website.

Result of sprint planning

Tasks to be completed by the end of sprint 1:

- Designing the user interface for the data collection and upload feature: As part of the back end, we are responsible for the upload, verification, maintenance, and accessibility of the data stored in the application. That involves the user being able to upload their data into the database, as well as the application being able to store the data properly so that the data can be accessed later. This involves giving the data an ID so that it can be uniquely identified from all of the other data, along with tagging it so that it may be found when someone later searches for that kind of data. This is one of the main features of the application, so it is important that we get started working on it early.
- Decide on the backend framework and API that can connect the other groups' front end project: This project has been split between a couple different groups. One group works on the front end (the part that the user will see) and the back end (the part that works behind the user interface). As such, it is important that we are able to connect the programs that each group will be working on. We need to decide how we are going to do that. This will need to happen very soon.
- Decide on a set amount of information that will be stored: The app will store certain types of information, such as river names, length, depth, location, and many other features. We need to decide on all the different types of information that will be stored in the app, as well as what types of information are not important or relevant enough to keep track of. This needs to be decided on soon

so that we can start designing the database around this information that will be stored.

- Have the clients give our team a starting data set of data to work off of in the database: In order to test the code (when it is written), we will need data to upload, store, and access. This data may or may not consist of random information and may be made up. The important element is that it reflects the kind of data that will actually be uploaded, stored, and accessed within the application. This data will be needed soon so that the code, when written, can be thoroughly tested at the various stages of writing it.

Sprint task assignment

List of user story:

1. As a community member, I want to upload pictures of the river to the app so that users can see what it looks like at certain points in time.
2. As a user with as wsu.edu email I want to create a user account to be able to contribute to the site.
3. As a first time user I want to click on the columbia river point/tag and see details about the river.
4. As a logged in user who is filling out an information template I want to upload PDF's of research papers or articles from my local machine.
5. As a logged in user who is filling out an information template I want to link to third party research papers and articles from verified sites. user story
6. As a logged in user I want to place a point on the map and fill out an infomation template about that particular area.
7. As a researcher, I want to sort and filter the data, so I can analyze the data to gain valuable insights
8. As a researcher, I want to upload data from my research, so I can efficiently store my data user story

We have created several tasks based on this user story:

Task	Assigned To	Status
Have the clients give our team a starting data set of data to work off of in the database.	Mitchell-kolb	Done
Decide on a set amount of information that will be stored	Mitchell-kolb	Done

Implement an account system for the login	Not assigned	No Status
Decide on the backend framework and api that can connect the other groups' front end project	SierraSv	In Progress
Implementing the data verification process	Not assigned	No Status
Designing the user interface for the data collection and upload feature	joshmainac	In Progress

Sprint task(s) details

Long, Joshua:

In this sprint, our main focus is on attending meetings with the client and listening carefully to their requirements and feedback. As a team member, my responsibility is to attend all the meetings and take detailed notes to ensure that we have a clear understanding of the client's vision for the project. Additionally, I have created a project overview and outlined the functional requirements for the project. This report will serve as a helpful reference for the team as we move forward with the project. My current task involves designing the user interface for the data collection and upload feature. The design needs to be user-friendly, visually appealing, and efficient. I have already started working on this task, and it is currently in progress.

Kolb, Mitchell, William:

I was assigned to two similar tasks and they were, "Have the clients give our team a starting data set of data to work off of in the database" and "Decide on a set amount of information that will be stored." These tasks revolved around getting an idea of what types of data the clients want to store in the database on their website. Since our team is working on the database of this site this relates directly to us. At this point in time we have concluded that the client wants to store three types of information: account information, map data, and user stories. The account information is for user accounts like login and password details, this set of data will also include a master list of verified email domains. Users will only be able to set up an account if their email domain is on this master list. They plan to expand this list in the future when other organizations are

added. The map data category is the main chunk on the database. This section is continually being expanded but for right now the clients have told us that we need to store information about rivers, watersheds, and communities. This includes details like river names, watershed names, dimensions, locations, nitrogen supply, monthly water flows, water quality, and water quantity. The last set of information that we will store is user stories. This is information that is inputted from the users that relate to certain spots on the map that tells a story about that spot. As of right now the stories will just be composed of text but the clients would like to expand upon it in the future to include other information formats like works of literature, pictures, and videos.

Svetlik, Sierra Amelia:

I have been assigned the task of deciding on an API to connect the front end (being worked on by the other Living Atlas team) to our back end. This will involve being able to connect the works that can be uploaded through the front end to the database that my team will be working on in the back end, as well as being able to take input from the user through the front end to find data in the database in the back end. The decision on an API is currently in progress.